

BRACH, W.

"Polish chemistry at the 26th Poznan International Fair."

p. 131 (Chemik) Vol. 10, no. 5, May 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

BRACH, Wilhelm

Chemistry at the 31st International Poznan Fair. Przem chem 41
no.10:599-601 0. '62.

BRACH, Wilhelm; MIICZANOWSKI, Stanislaw

Polish chemistry at the Polish Industrial Exhibition in Peking,
September 28 - October 28, 1961. Przem chem 41 no.3:163-164 Mr '62.

BRACH, Wilhelm

Polish chemistry at fairs and exhibitions abroad in 1961.
Przem chem 40 no.7:409-411 J1 '61.

BRACHACZEK, Albert, ins.

Labor standards. Wiad hut 16 no.7/8:249-254 JI-Ag '60.

Distr: 4E2c

Protective atmospheres produced without a generator for heat-treatment of medium- and high-carbon steels.¹ Marian Brachaczek. *Prace Inst. Mech.* 8, No. 27, 57-68 (1960).

To produce a protective atm. without application of a generator the following mediums have been used: Warsaw town gas, a mixt. of natural gas and air in ratio of natural gas 40-50% and air 50-60%, and liquid org. compds. such as MeOH, EtOH, and EtOAc. The chem. analysis of used protective atms. is given. The tests have been carried out in an elec. furnace with sealed muffle. In these protective atms. the specimens of steel 10.45 and 85 were heated at temps. of 800, 850, and 900° for 1 hr. and the specimens of steel 30HCSA at 900°. All of the atms. used prevent steel from oxidn. in the temp. range 800-900°. The surface of the specimens heated in the above conditions with subsequent cooling in oil was bright and opaque. For control of the de-

carburizing process of each steel adequate conditions of protective atm. have to be chosen. —R-Burk

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BRACHACZEK, W.

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Distr: 4E2c/4E3d

Spectrographic methods for the analysis of solutions.
I. Analysis of components of zinc and magnesium alloys.
 W. Kemula, W. Brachaczek, and A. Hulanicki. *Przemysl Chemic.* 11, 678-68 (1955).—A spectrographic method for the analysis of solns. is described. The investigated soln. is sprayed continuously into the excitation zone by means of a simple device. Detns. of some metals in alloys have been carried out by using excitation in a condensed spark. The adaptability of the method for various analyses is discussed. The following concn. ranges of metals in Mg and Zn alloys have been detd.: Al 2-12, Mn 0.1-1.5, and Zn 0.2-0.6%. Standard errors of detns. have been 2.9, 4.7, and 4.0%, resp. Mg in Zn has been detd. in the concn. range of 0.005-10% with a standard error of 4.9%. The influence of variable content of Al in the investigated alloy on the displacement of analytical curve has been studied.
 A. L. Backy.

JB
K

[Handwritten signature]

COUNTRY : Poland E-2
 CATEGORY :
 ASS. JOUR. : RZKhim., No. 1959, No. 66234
 AUTHOR : Kemula, W.; Brachaczek, W.; Danciewicz, D.; *
 INST. :
 TITLE : Determination of Lithium, Sodium, Potassium
 and Calcium in Perhydrol by the Method of
 Flame Spectrography.
 ORIG. PUB. : Chem. analit., 1958, 3, No 5-6, 729-736
 ABSTRACT : In the analysis use is made of the flame of
 an acetylene-air mixture; spectra are photographed by
 means of a two-prism glass spectrograph. About 50 g of
 perhydrol are placed in a Pt-dish cooled in ice water to
 slow down decomposition; when most of the conversion has
 taken place the sample is heated gently to complete decom-
 position. The resultant solution is evaporated, diluted
 with water to 50 ml, aliquot portions of 0.4, 0.8, 1.6,
 3.2, 6.4, 12.8, and 20 ml are taken and to each of them are added
 20 ml 0.4 M $\text{NH}_4\text{H}_2\text{PO}_4$ and 5 ml 2.5 N HCl, after which each
 portion is diluted with water to 50 ml. The first two
 solutions are used for determination of Na (0.003-0.1%)
 CARD: 1/2
 * Bulaniccki, A.

COUNTRY : Poland
CATEGORY :

E-2

ABS. JOUR. : RZKhim., No. 1959, No. 86234

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : and the other 3 solutions are used for determination of Li (0.00025-0.0039%), K (0.0025-0.039%) and Ca (0.0050-0.050%). Each solution is introduced into the flame and the spectra are photographed for 30 seconds. At the same time there are photographed on the plate, in the same manner, the spectra of 5 standard solutions which contain the elements being determined at concentration of 0.00007-0.01%, $\text{NH}_4\text{H}_2\text{PO}_4$ and HCl, which are used to plot the calibration graphs. From these graphs and blackening of the lines of Li, Na, K, and Ca, the content of the elements is calculated. The results obtained for K are corrected for the Na-content which is calculated from Na-concentration.

CARD: 2/2

N. Poluektov.

BRACHACZEK, W.; HULANICKI, A.; KEMULA, W.

Determination of platinum in perhydrol and ammonium fluoride by means of extraction titration. p. 913.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 8, August 1959
Uncl.

BRACHACZEK, W.; HULANICKI, A.; KEMULA, W.

Absorptionetric determination of cadmium traces in perhydrol and hydrogen fluoride.
p. 923.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna
Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncl.

BRACHACZEK, W.; KORNACKI, J.; KEMULA, W.

Nephelometric determination of sulfates in perhydrol. p. 939.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa, Poland. Vol. 3, No. 5/6, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncl.

KEMULA, Wiktor; BRACHACZEK, Wanda; HULANICKI, Adam

Determination of mercury in brine and caustic soda by extractive titration. Chem anal 5 no.2:215-218 '60. (EEAI 10:3)

1. Katedra Chemii Nieorganicznej Uniwersytetu, Warszawa. Zaklad Fizykochemicznych Metod Analitycznych Instytutu Chemii Fizycznej Polskiej Akademii Nauk, Warszawa.
(Mercury) (Salt) (Sodium hydroxide)

KENULA, Wiktor; BRACHACZEK, Wanda;

Coulometric microdetermination of 2,3-dimercaptopropanol.
Chem anal 8 no.4:579-583 '63.

1. Institute of Physical Chemistry, Polish Academy of
Sciences, Warsaw.

KEMULA, Wiktor; BRACHACZEK, Wanda, HULANICKI, Adam

Stability constants of silver and copper (II) tris-(hydroxymethyl)-aminomethane complexes. Roczniki chemii 36 no.12:1727-1736 '63.

1. Department of Inorganic Chemistry, University, Warsaw, and Department of Physicochemical Analytical Methods, Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw.

KEMULA, Wiktor, prof. dr; BRACHAGZEK, Wanda, mgr; HULANICKI, Adam, dr

Direct photometric titration of magnesium in nickel. Chem anal
9 no.1:43-49 '64.

1. Department of Inorganic Chemistry, University, Warsaw, and
Institute of Physical Chemistry, Polish Academy of Sciences,
Warsaw.

BRACHET, J.

Considerations on biochemical interactions between the nucleus and the cytoplasm [in French with summary in Russian]. Biokhimiia 22 no.1/2:226-235 Ja-F '57. (MIRA 10:7)

1. Laboratoriya morfologii zhivotnykh, Fakul'tet yestestvennykh nauk Bryussel'skogo Universiteta, Bel'giya.
(CELLS,

nucleo-cytoplasmic biochem. relation, review (Fr.)

BRACHEV, I. V.

"The Problem of the Structure and Transformation of Diazo Compounds, VI." (p. 848)
(State Ord of Red Banner Of Labor Inst of Applied Chem)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1948, Volume 18, (80),
No. 5

BRACHFELD, K.
1376

Z il. detake Klin. Praze. Neurologické nálezů u basilární meningitidy Neurological findings in basilar (tb) meningitis Pediat. Listy 1950, 5/4 (215-218)
A report on 185 cases treated with streptomycin, classified into types with purely meningeal signs, with focal signs, with neurological signs and with death in the 1st 6 weeks. Surgical treatment was used in 4 cases only.

Salamun - Koper (XX, 8)

So: Excerpta Medica, Section VIII, Vol. 5, No. 4, April 1952

BRACHFELD, Karel, As., Dr.; LESNY, Ivan, doc., dr.

Generalized muscular hypoplasia with ligamentous involvement.
Cesk. pediat. 11 no.5:348-355 May 56.

1. Z II. detske kliniky v Praze (prednosta prof. Dr. Houstek) a z
neurolog. odd. IV. detske kliniky prof. Blazka (vedouci lekar doc.
Lesny).

(MUSCLES, abnormalities,

hypoplasia, generalized with ligamentous involvement (Cz))

(ABNORMALITIES,

hypoplasia of musc., generalized, with ligamentous
involvement (Cz))

(LIGAMENTS, abnormalities,

hypoplasia in generalized musc. hypoplasia (Cz))

BRACHFELD, K., MUDr.; SVATY, J., MUDr.; VALACH, Vlad., MUDr.

Tuberous sclerosis in infants. Cask. neur. 20 no.1:8-17
Feb 57.

1. II. Detska klinika (prednosta prof. Dr. J. Houstek) a I.
pathologicko-anatomicky ustav lekarske fakulty Karlovy university
v Praze.

(TUBEROUS SCLEROSIS, in inf. & child (Cz))

BRACHFELD, ITHAEL

TOSOVSKI, Vaclav.; BRACHFELD, Karel.; PISKACOVA, Anna.; KOTTOVA, Vera.

~~_____~~
Congenital skin sinuses in children. Cas. lek. cesk. 96 no.27-28:
885-887 5 July 57.

1. Oddeleni detske chirurgie DFM v Praze, primar doc. MUDr. Vaclav
Tosovsky II. detska klinika KU v Praze, prednosta prof. Dr. Josef
Houstek.

(SKIN, fistula
congen. surg. (Cz))

BRACHT**F**ELD, Karel

Zaklady pediatrie pro psychology. (Principles of Pediatrics for Psychologists; a university textbook. 1st ed. illus., bibl.) For the students of the Faculty of Phylofophical History. Prague, SPN, 1957. 126 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 718.

BRACHTFELD, Karel

Nemoci detskeho vehu. (Diseases of theChild Age; a textbook for the health schools, department for children's nurses. 1st ed. illus.) Authors: Karel Brachtfeld, Jaroslava Brachtfeldova. Prague, SZdN, 1957, 311 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 718.

BRACHFELD, Karel; HRODEK, Otto

Hemorrhagic damage to the central nervous system in hemophilia.
Cesk. pediat. 8 no.6:495-504 5 July 58.

1. II. detska klinika Karlovy university v Praze, prednosta prof. Dr.
J. Houstek.

(HEMOPHILIA, compl.

cerebral hemorrh. in child. (Cz))

(CEREBRAL HEMORRHAGE, in inf. & child
in hemophilia (Cz))

BRACHFELD, K.

VEJNORSKI, J.; BRACHFELD, K.; STRAKOVA, M.

Research on reflexes in newborn. Cesk. pediat. 13 no.3:227-230 5 Apr 58.

1. II detska klinika, prednosta prof. J. Houstek.

(INFANT, NEWBORN, physiol.

reflex of plantar flexion of toes as response to passive dorsal flexion of hallux (Cz))

(INFANT, PREMATURE, physiol.

same)

(REFLEXES

of plantar flexion of toes as response to passive dorsal flexion of hallux in newborn & premature inf. (Cz))

BRACHFELD, K., Dr.; HOMOLKA, J., doc. dr.

~~Practical significance of polarographic examination of the cerebrospinal fluid in pediatric neurology. Cesk. pediat. 14 no.7: 612-617 July 59~~

Practical significance of polarographic examination of the cerebrospinal fluid in pediatric neurology. Cesk. pediat. 14 no.7: 612-617 July 59

1. II detska klinika, prednosta prof. dr. J. Houstek, Ustredni biochemicka laborator detske fakultni nemocnice, prednosta docent dr. J. Homolka.

(CENTRAL NERVOUS SYSTEM, diseases)
(CEREBROSPINAL FLUID, diagnosis)

KUNC, Zdenek; JIRSOVA, Vera; BRACHFELD, Karel

Growth-fracture of the temporal bone in an infant. Cesk. pediat.
15 no.2:140-144 F '60.

1. Neurochirurgická klinika KU v Praze, prednosta doc. dr.
Zdenek Kunc, Ustav propeci o matku a dite v Praze-Podoli,
primar dr. Karel Polacek, II. detska klinika KU v Praze, pred-
nosta prof. dr. Josef Houstek.
(TEMPORAL BONE fract. & disloc.)

BRACHFELD, Karel; SVATY, Jaromir

Etiological factors in the so-called perinatal encephalopathies.
Cesk.pediat.16 no.2:157-160 F '61.

1. II. detska klinika KU v Praze, prednosta prof. dr. J. Houstek.
(CEREBRAL PALSY etiol)

BRACHFELD, K.; MARTINKOVA, V.; SVATY, J.

Congenital developmental defects of the central nervous system in the 2d Pediatric Clinic during the past 15 years. Cesk. pediat. 17 no.5/6:476-482 Je '62.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi University Karlovy v Praze, vedouci prof. MUDr. J. Houstek.

(CENTRAL NERVOUS SYSTEM abnorm)

BRACHFELD, K.

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CZECHOSLOVAKIA

STASEK, V., Docent MD; JAKOUBKOVA, J., MD; KOLAR, J., MD;
LOKAJICEK, M., Dr., Radiologist; BRACHFELD, K., MD;
TICHY, S., MD.

1. Oncological Laboratory FVL (Onkologicka laborator FVL), Prague; 2. Radiological Clinic FVL (Radiologicka klinika FVL), Prague (for Lokajicek); 3. Research Institute and Development Institute (Vyzkumny a vyvojovy zavod), Premysleni; 4. Second Pediatrics Clinic, ORL Laboratory CSAV (II. pediatricka klinika, ORL laborator CSAV), Prague

Prague, Prakticky lekar, No 2, 1963, pp 71-73

"The Effect on the Patient of X-Ray Therapy."

BRACHFELD, K.; SVATY, J.

Cerebellitis in childhood. Cesk. pediat. 18 no.10:887-895
0 '63.

1. II detska klinika fakulty detskeho lekarstvi KU v Praze,
prednosta prof. dr. J. Houstek, DrSc.
(ENCEPHALITIS) (EPILEPSY)
(MENTAL DEFICIENCY)
(CEREBELLAR DISEASES)

TOSOVSKY, V.; ERENOVA, V.; BRACHFELD, K.; STRYHAL, F.

Prevention of permanent sequelae of subdural hematoma in infants. Rozh.chir. 42 no.12:857-863 D'63.

1. Klinika detske chirurgie fakulty detskeho lekarstvi KU v Praze (prednosta: prof.dr. V.Kafka, DrSc); Traumatologicke odd.kliniky detske chirurgie fakulty detskeho lekarstvi KU v Praze (vedouci: doc.dr. V.Tosovsky, DrSc.) a Katedra fakultni detskeho lekarstvi KU v Praze (vedouci: prof.dr.J.Houstek, DrSc.).

*

KAREL, I.; BRACHFELD, K.

Bilateral hypoplasia and aplasia of the optical nerve.
Cesk. oftal. 21 no.4:334-342 J1 '65.

1. II oční klinika fakulty všeobecného lékařství Karlovy University v Praze (prednosta akademik J. Kurz) a II. dětská klinika fakulty dětského lékařství Karlovy University v Praze (prednosta prof. dr. J. Houstek, DrSc.).

STASEK, V.; JAKOUBKOVA, J.; KOLAR, J.; BRACHFELD, K.; TICHY, S.;
LOKAJICEK, M.; MALY, V.; Technicka spoluprace NFBRENSKA A.

Study of late changes following small doses of radiation in
the developing organism. Cesk. pediat. 20 no.7:561-571 J1
'65.

1. Onkologicka laborator, radiologicka klinika fakulty vse-
obecneho lekarstvi Karlovy University v Praze, II. pediatricka
klinika fakulty detskeho lekarstvi Karlovy University v Praze,
Otorinolaringoloska laborator Ceskoslovenskej akademii ved
v Praze, Vyzkumny ustav n.p. Tesla v Premysleni, Ustav ser a
ockovacich latek v Praze.

BRACHFELD, V., MUDr.; TINTERA, J., MUDr.

Dispensary care for children with neurological diseases. Zdrav.
aktuality no.147:81-99 '61.

(NEUROLOGY) (OUTPATIENT HOSPITAL SERVICES)
(PEDIATRICS hosp & clin)

BRACHFELD, K.; BRACHFELDOVA, J.; HOUSTEK, J.; SVATY, J.

BRACHFELD, K.; BRACHFELDOVA, J.; HOUSTEK, J.; SVATY, J.

Incidence and diagnosis of cerebral hemorrhage in newborn. Cesk.gyn.
15 no.12:814-829 1950. (GLML 20:6)

1. Of the Second Children's Clinic (Head--Prof.J.Brdlik).

BRACHFELDOVA, J.

BRADAC, O; BRACHFELDOVA, J; JIRIKOVA-PESINOVA, D.

Mortality in children within 24 hours after admission into the hospital. Pediat. listy, Praha 7 no.2:97-102 Mar-Apr 1952.

(CML 22:2)

1. Of the Second Pediatric Clinic (Head--Prof. J. Brdlik, M. D.) of Charles University, Prague.

BRACHFELDOVA, J., MUDr; HAVLÍJKOVA, J., MUDr; ZABKA, J., MUDr

Parotitis recidivans in children. Cas. lek. cesk. 93 no.31-32:
841-844 6 Aug 54.

1. Ze IV. detske kliniky prof. Dr F.Blaska a z otolaryngologicke
kliniky prof. dr A.Precechtela.
(MUMPS,
recur. forms)

BRACHFELDOVA, J., MUDr

~~Therapy of vomiting in infants~~

Therapy of vomiting in infants. Pediat. listy, Praha 9 no.3:180-181
May-June 54.

1. Pediatricka komise pri min. zdrav. pro jednotne lecebne
postupy
(VOMITING, in infant and child
ther.)

BECO, V. Dr.; BRACHFELDOVA, J. Dr.; TREFNY, Z. Dr.

Diagnosis of elevated diaphragm.

Cesk. pediat. 11 no.1:27-31 Feb 56.

1. IV. detaka klinika prof. Dr F. Blaska, Praha.

(DIAPHRAGM, dis.

elevation, diag.)

BRACHFELDOVA, J.
BENESOVA, D.; BRACHFELDOVA, J.

Umbilical sepsis. Cesk. pediat. 12 no.12:1070-1074 5 Dec 57.

1. Katedra pathologicke anatomie a mikrobiologie fakulty det. lek.
prednosta doc. D. Benesova II detska klinika; prednosta prof. J. Houstek.
(UMBILICUS, dis.
sepsis in inf. (Cz))
(INFECTION, in inf. & child
umbilical sepsis (Cz))

BRACHFELDOVA, J.; SVEJCAR, Jiri; VOLNA, G.

~~Alimentary methemoglobinemia.~~ Alimentary methemoglobinemia. Cesk. pediat. 8 no.6:481-487 5 July 58.

1. II. detska klinika, prednosta prof. Dr. J. Houstek.
(METHEMOGLOBULINEMIA, in inf. & child
(Gz))

HOUSTEK, Josef: BRACHFELDOVA, Jaroslava; COPOVA, Marta; KLEINT, Zdenek

Cystic pulmonary diseases in children. Cesk.pediat.15 no.6/7:
568-575 J1'60.

1. II. detska klinika, prednosta prof.dr. J. Houstek, II. chi-
rurgicka klinika, prednosta dr. J. Lhotka.
(LUNG DISEASES in inf & child)
(CYSTS in inf & child)

MASOPUST, J.; TOMASOVA, H.; BRACHFELDOVA, J.; STANINEC, M.

The value and determination of ornithin-carbamytransferase in children. Acta univ. carol. [Med] no.2:263-272 '61.

1. Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi University Karlovy, reditel prof. MUDr. J. Houstek II detska klinika fakulty detskeho lekarstvi University Karlovy, prednosta prof. MUDr. J. Houstek Klinika infekcnich nemoci fakulty detskeho lekarstvi prednosta prof. MUDr. J. Prochazka.

(TRANSFERASES blood)

BRACHFELDOVA, J.; HORNYCHOVA, H.; MENCIKOVA, E.; SKALOVA, L.;
NEUGEBAUEROVA, L.

Listeria infection in newborn infants. Cesk. pediat. 18 no.10:
896-901 0 '63.

1. II detska klinika fakulty detskeho lekarstvi KU v Praze,
prednosta prof. dr. J. Honstek, DrSc. Ustav lekarske mikro-
biologie a imunologie v Praze, prednosta prof. dr. F. Patocka
KHES Stredoceskeho kraje v Praze, reditalka MUDr. M. Rejskova.
(INFANT, NEWBORN, DISEASES) (LISTERIA INFECTIONS)
(COMMUNICABLE DISEASE CONTROL)

HOSTOMSKA, L.; BRACHFELDOVA, J.

Problems in congenital adrenogenital syndrome in childhood.
Cas.lek.cesk. 103 no.13:345-350 27 Mr'64.

1. II. detska klinika fakulty detskeho lekarstvi KU v Praze;
prednosta: prof.dr. J.Houstek, DrSc.

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BRACHINSKY, L. N., SMIRNOV, N. N., ROMANKOV, P. G., and PAVLUSHENKO, I. S.

"Influence of Mechanical Mixing on Mass Transfer Processes with
Chemical Conversions."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

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621.398.931

14322. VERY-SHORT-WAVE RADIOCOMMUNICATION
EQUIPMENT FOR RAILWAY TRANSPORT. M. Brachni.
Slaboprudy Obzor, Vol. 18, No. 1, 25-31 (1957). In Czech.

The system described was required to provide an uninterrupted service between a central station (control room) and the driver (or a number of drivers) of a steam or electric railway engine. The equipment operates at frequencies of 155 to 174 Mc/s and consists of mobile and stationary units. The stationary equipment comprises a 30 W duplex transceiver with a moderately directional aerial, a device for selective calling of various engine drivers and a number of radio-relay links situated along a given route. The mobile equipment, housed in an engine, comprises a 15 W five-channel phase-modulated transmitter, a receiver having a sensitivity of 3 μ V and a control unit permitting the central station to switch on or block a given receiver by means of the selector device. Some block schematics and photographs of the equipment are shown.

R.S. Sidorowicz.

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BRACHTL, I.

A few notes on the form of the water surface and on the distribution of the speed of a shock wave in the diverging lateral canal. p.23.
(Vodohospodarsky Casopis, Vol. 5, No. 1, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

FRICHTL, J.; TEKEL, L.

"Problems of winter operation of hydroelectric-power stations in the Vah Valley."

ENERGETIKA, Praha, Czechoslovakia, Vol. 8, no. 9, August 1958

Monthly list of East European Accessions Index (MEAI), Library of Congress, Vol. 8, No. 8, August 1959

Unclassified

BRACHTL, Ivo, inz.

Effect of the winter season on the extent of water rise in the
Domasa, Ruzin, and Liptovska Mara Waterworks. Vodni hosp 13
no.8:284 '63.

BRACHTL, Ivo, inz.

Winter conditions of the Vah Cascade. Vodni hosp 13 no.8:320 '63.

Brachtl, M.

Brachtl, M. Radiocommunication equipment for railroads on very short waves. p. 25.

Vol. 18, no. 1, Jan. 1957

SLABOPROUDY OBZOR

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957

No. 5

BOHM, M.; BRACHTLOVA, M.

Hernia of the intervertebral disk; evaluation of clinical picture, conservative surgical treatment and neurological considerations. Bratisl. lek. listy 34 no.7:775-787 July 54.

1. Z Neurologickej kliniky LFŠU v Bratislave, prednosta clen
korespondent SAV J.Cernacek.
(INTERVERTEBRAL DISK DISPLACEMENT,)

BRACK, J., AND OTHERS

"Inhabition effect of the poke-weed Phytolacca americana and Phytolacca acinosa on the infection caused by the tobacco mosaic virus and sugar-beet mosaic virus p. 386"

P. 386 (Ceshoslocenska, Biologie, Vol. 6, no. 5, Oct., 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

L 62949-65 EWT(l)/EWT(m)/T/EWP(t)/EWP(b)/EWA(h) IJP(c) JD/AT
 ACCESSION NR: AP5018389 PO/0019/65/014/002/0385/0399
 621.315.59:537.31

AUTHOR: Braclawski, K.; Swit, A.

TITLE: Measurement of the effective diffusion constant and the lifetime of minority carriers in the surface layer of germanium using the moving light beam method

SOURCE: Archiwum elektrotechniki, v. 14, no. 2, 1965, 385-395

TOPIC TAGS: germanium, minority carrier, diffusion constant, surface layer, surface recombination, semiconductor

ABSTRACT: The paper describes the application of the moving light beam method to the measurement of the diffusion constant and the lifetime of minority carriers in germanium. On the basis of a modified theory, the experimental values are in good agreement with the theoretical values and indicate that the diffusion constant D and the lifetime τ characterize these constants in the surface layer and not in the bulk of the material. The measurement setup, shown in Fig. 1 of the Enclosure, is described. The surface distribution of minority carrier concentration is determined by means of a probe consisting of a point-contact diode formed on the surface after the point contact is subjected to a forming process. The measurements of D , τ , and the diffusion length L were made using n-type

Card 1/3

L 62949-65

ACCESSION NR: AP5018389

germanium. It is shown that the measured value of the diffusion constant depends on the state of the surface and the bulk lifetime and that the method used gives diffusion lengths which agree well with those measured using the Valdes method. Furthermore, the diffusion constant increases with increasing bulk lifetime when the state of the surface is kept unchanged. It also increases with increasing surface recombination velocity with unchanged bulk lifetime. Moreover, the diffusion constant always exceeds the "bulk diffusion constant". The lifetime as measured by the method employed is always smaller than the bulk lifetime of the sample. A phenomenological interpretation of the obtained results is given, based on the concept of the so-called internal diffusion in an inhomogeneous semiconductor consisting of regions having different lifetimes. "The authors thank Eng. S. Dobrzynski for his help in the development of the measurement instruments. Orig. art. has: 14 figures, 2 tables and 23 formulas. [08]

ASSOCIATION: Katedra Przyrzadów Elektronicznych Politechniki Warszawskiej (Department of Electronic Instruments, Warsaw Polytechnic Institute)

SUBMITTED: 26Oct84

ENCL: 01

SUB CODE: 88

NO REF SOV: 001

OTHER: 002

ATD PRESS: 4066

Card

2/3

L-62949-65

ACCESSION NR: AP5018339

ENCLOSURE: 01

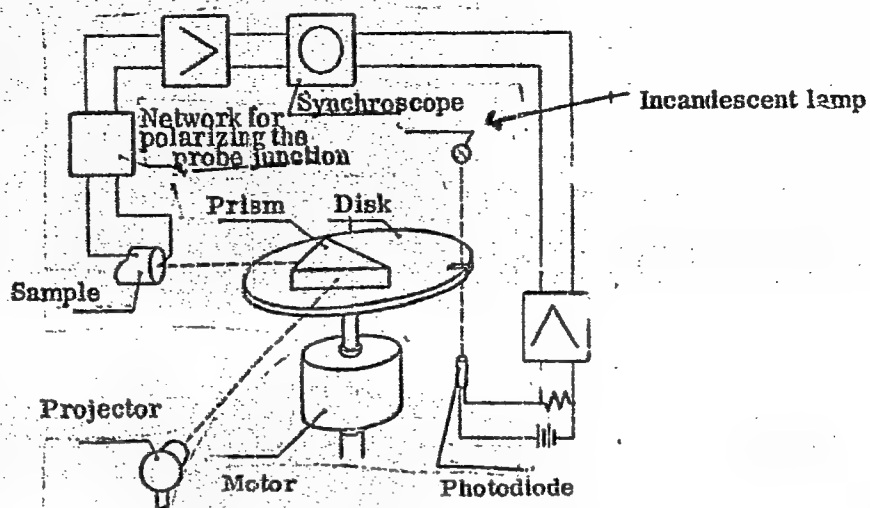


Fig. 1. Schematic of the measurement setup

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L 00506-66 REC(k)-2

ACCESSION NR: AP5013678

PO/0053/65/000/004/0169/0174
621.389

AUTHOR: Braclawski, K.; Jakubowski, A.

TITLE: Dynamic method for semiconductor power diode testing

SOURCE: Przegląd elektroniki, no. 4, 1965, 169-174

TOPIC TAGS: diode test, semiconductor power diode, power diode testing, power diode parameter

ABSTRACT: The paper describes a method for ^{am}measuring the parameters of semiconductor power diodes under conditions corresponding to those which exist in a half-wave rectifier circuit with resistive loading but at a much smaller expended power. The concept of the method is the one used by B. Paszkowski in his circuit for the measurement of maximal reverse voltages in electron tubes (Prace PIT (Warsaw), No. 3, 1951). The method (the simplified circuit diagram is shown in Fig. 1 of the Enclosure) uses a thyristor (Westinghouse Cs31C) as a synchronous switch which makes it possible for the tested diode to operate simultaneously in two circuits: a current circuit and a voltage circuit. For measuring voltage drops across the diode in the forward and reverse directions, unipolar meters are employed which separate the measured quantities in time. The power ex-
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ACCESSION NR: AP5013678

pendent in the circuit when testing diodes having reverse breakdown voltage of the order of several hundred volts and permissible average forward currents of the order of several hundred amperes, does not exceed several kva. The circuit used for the measurement of reverse currents is described. The principle of measurement, the considerations underlying the choice of the switching method, and the measurement possibilities of this method are discussed. A laboratory setup implementing this method made it possible to test diodes dynamically in the range of reverse voltage up to 50v (amplitude) and forward currents up to 15 a (mean value). The method makes it possible to perform the following measurements on diodes: (a) determination of diode characteristics in both directions for temperatures from negative to 95C; (b) determination of the junction temperature during diode operation on the basis of the characteristic $I_{\text{reverse}}=f(\text{junction temperature})$; (c) Determination of the permissible variations of the reverse voltage as a function of ambient temperature and diode forward current; (d) testing for diode lifetime under full load conditions without expending high power; (e) calculation of diode thermal resistance on the basis of voltage-current characteristic, junction temperature, and ambient temperature. The measurement under point (b) is explained in some detail. The method was used to measure some diodes and the results obtained agreed with those obtained when the diodes were operating as a half-wave rectifier with resistive load. Orig. art. has: 4 figures.

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L 00506-66

ACCESSION NR: AP5013678

ASSOCIATION: Politechnika Warszawska, Katedra Przyrzadow Elektronowych (Department of Electronic Instruments, Warsaw Polytechnic Institute)

SUBMITTED: 00

ENCL: 01

SUB CODE: EC

NO REF SOV: 001

OTHER: 003

Card 3/4

L-00506-66

ACCESSION NR: AP5013678

ENCLOSURE: 01

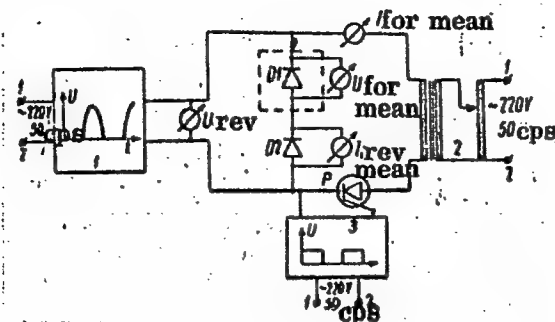


Figure 1. Simplified schematic of the measurement circuit: D_1 - diode under test; D_2 - S6AN125 Westinghouse silicon diode; P - thyristor Cs31C (Westinghouse).

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CZECHOSLOVAKIA

PETRILAK, J., ~~BRACOK, I.~~ Physiological Institute, Medical Faculty
P.J. Safarik University (Fysiologicky Ustav Lek. Fak. UPJS)
Kosice.

"Influence of Hypothalamus Excitation on Breathing of Non-
narcotized Dogs."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 70-71

Abstract: 20 experiments on 5 dogs of both sexes, weighing 10-20 kg are described. Excitation of certain formations of the hypothalamus increases the frequency and volume of breathing and minute ventilation. The changes of breathing are usually accompanied by somatic reactions. Aftereffects occur to a much more limited extent than in narcotized animals. 2 Western, 1 Czech, 1 Russian reference. Submitted at the "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

- 174 -

BRAD, F.

Results of the application of the production method originated in the Putna Unit for Timber Industrialization.

P. 1. (Constructorul. Vol. 9, no. 390, July 1957, Bucuresti, Rumania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

RUMANIA / Human and Animal Physiology. Internal Secretion, Thyroid T
Gland.

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70315

Author : Picos, C. A.; Brad, I.

Inst : "C. I. Parhon" University

Title : The Influence of a Preparation of Thyroid Gland on the
Basal Metabolic Rate in Fish

Orig Pub : Rev. Univ. "C. I. Parhon" si Politehn. Bucuresti, Ser.
stiint. natur., 1953, No 2, 138-142

Abstract : The oxygen consumption in carp when they were fed with
thyroid gland increased 30 percent (but only by ten percent
when they were fed with meat powder).

Card 1/1

VALUTSA, G.; BRAD, I.

Biochemical processes which take place during the vernalization of winter wheat under normal conditions and following processing with different solutions. Biokhim. zerna. no.5:87-99 '60. (MIRA 14:5)

1. Nauchno-issledovatel'skiy agronomicheskiy institut, Rumynskaya Narodnaya Republika.

(Wheat) (Vernalization)

BRAD, I.; LASZLO, Iulia; VALUTA, G.; SOTIRIU, V.

Contributions for establishing some biochemical and physiological indexes of the frost resistance of fall cereals. Studii cere biol veget 13 no.2:233-241 '61. (EEAI 10:11/12)

1. Comunicare prezentata de N. Salageanu membru corespondent al Academiei R.P.R.

(Plants)

BILTEANU, Gh.; BRAD, I.; RADA, Voica

Influence of mineral nutrition on the catalase activity in
sunflower and maize. Studii cerc biol veget 14 no.3:287-297
'62.

1. Comunicare prezentata de N. Salageanu, membru corespondent
al Academiei R.P.R., membru al Comitetului de redactie si
redactor responsabil, "Studii si cercetari de biologie; Seria
biologie vegetala."

BRAD, Ion., ing., BRAD, Iosif., ing.

Gliding shuttering with hydraulic action used for the
construction of a chimney of the sintering works. Rev
constr si mat constr 15 no. 11: 569-579 N '63.

BRAD, Ion., ing., BRAD, Iosif., ing.

Gliding shuttering with hydraulic action used for the
construction of a chimney of the sintering works. Rev
constr si mat constr 15 no. 11: 569-579 N '63.

BRAD, I.; LASZLO, Iulia; VALUTA, Gh.; MICLEA, Clementa

Transplantation influence of the barley embryo on the rye endosperm on some hydrid biochemic processès, in correlation with frost resistance. Studii cerc biochimie 5 no.4:551-559 '62.

1. Institutul de cercetari pentru cereale si plante tehnice, Sectia de fiziologie si biochimie vegetala, Bucuresti.

BRAD, Segal, ing.

Using rapid control methods in the canned food industry
for obtaining high quality products. Ind alim veget 13
no.4:108-111 Ag '62.

1. Institutul politehnic, Galati.

MOTOC, D., prof. dr.; BRAD, Segal C., sef licrari.

Study of the enzymatic complex in molds developing on
grapes. Ind alim 14 no.10:385-389 0'63.

1. Institutul politehnic, Galati.

BRAD, Segal (Rumynskaya Narodnaya Respublika)

Use of pectolytic enzymes in the processing of grape pulp.
Kons. i ov. prom. 18 no.11:42-43 ■ 163. (MIRA 16:12)

1. Galatskiy politekhnicheskiy institut.

BRADA, F.

Metal-coated condensers made of paper.p.117. (Kozlemenysel. Budapest. Vol. 20, no.1/2, 1956)

SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957 Uncl.

BRADA, Ferenc

Report on the Szombathely conference dealing with the exchange of experiences in manufacturing component parts for the telecommunication industry, June 20-21, 1963. Hir techn 14 no.6:238-239 D '63.

CZEGLEDY, Karoly; ISTVANFFY, Edvin; BRADA, Ferenc; KATONA, Janos; KOVACS, Gyula, LUDANYI, Jozsef

Mass production of electrolytic condensers; also, remarks by E.Istvanffy and others. Muszaki kozl MTA 26 no.1/4:267-268 '60. (EEAI 9:10)

1. Mechanikai Muvek (for Gzegledy)
(Condensers (Electricity))

NEUHOF SUSKI, Laszlo; DEAK, Pal; RATKY, Laszlo; BRADA, Ferenc; KATONA, Janos; KONDASZ, Istvan

Research on single- and multicomponent-crystalline carbon-layer resistance; crystalline coal-layer and boric-carbon resistance. Also, remarks by P.Deak and others. Muszaki kozl MTA 26 no.1/4: 269-295 '60. (EEAI 9:10)

1. Híradastechnikai Ipari Kutató Intézet (for Neuhof Suski)
 - (Electric resistors)
 - (Carbon)
 - (Boron)
 - (Crystals)

BRADA, Ferenc; LORINCZ, Imre; KATONA, Janos; PICHLER, Ferenc; CZEGLÉDY,
Karoly; NEUHOF-SUSKI, Laszlo

Miniature and transistor electric-circuit parts; also, remarks by
E.Lorinc and others. Muszaki kozl MTA 26 no.1/4:301-319 '60.
(EEAI 9:10)

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(Electric circuits) (Transistors)

BRADA, Frantisek; ZEMAN, Jaroslav

Conference on the survey of black coal deposits. Geol pruzkum
6 no. 6:190 Je '64.

BRADA, Frantisek; ZEMAN, Jaroslav

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in Ostrava. Geol průzkum 7 no.1:19-20 Ja '66.

BRADA, J., inz.; GIZMAR, I., inz.

Problem of lighting in acetylene production plants. Elektro-
technik 17 no.6:176 Je '62.

BRADA, J., inz.

"Places of explosion danger" by Vaclav Podlipny. Reviewed
by J. Brada. Elektrotechnik 17 no.10:303 0 162.

BRADA, Jiri

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in agriculture. Elektrotechnik 19 no.2:59 F'64

1. Ustav technickeho dozoru, Praha.

BRADA, J.

Fixing electric elements to concrete masonry by gluing.
Elektrotechnik 19 no.4:119 Ap '64.

1. BSP, Okresni stavebni podnik, Plzen.

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Pump-turbine, a new type of pumping sets. Strojirenstvi 15
no.2:152 F '65.

1. Czech Higher School of Technology, Prague.

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CR Limiting pasture. L. Brada and J. Demela. Věstník Českoslo. Akad. zemědělství 9, 515-5(1933); Chem. Abstr. 9, Abstract 203. Sufficient lime should be added for from 1/4 to complete absorption satn. of the soil complex. The crop yields are not in a definite and const. relation to pH values found exply. Higher resistance of clover is not acquired by increasing amts. of lime. J. K.																																																			
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BRADA, L.

BRADA, L.

A conference on the production of clover and grass seeds.

p. 197
Vol. 3, no. 4, 1956
BESEDA VENKOVSKÉ RODINY
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

BRADA, L.

Increasing the yield of clover seeds.

p. 535 (Vestnik) Vol 4 no 10 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol 7 no 1 Jan 1958

BRADA, N.;BRADA, Z.

"Apparatus for Quantitative Microspectrography." p. 433,
(ČESKOSLOVENSKÁ FYSIOLOGIE, Vol. 2, No. 4, Dec. 1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

BRADA, M.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and I-11
Their Application. Water treatment. Sewage water.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12790

Author : Brada M.

Title : Purification of Sewage Water of Coal Concentration Plants

Orig Pub : Cistenii odpadnich vod z prodel uhli. Vodni hospodarstvi,
1955, 5, No 5, 171-174 (Czech)

Abstract : Description of methods for the purification of sewage water (SW) of coal concentration plants, containing 56-120 g/liter of coarsely dispersed admixtures. Precipitation of non-carbonaceous admixtures $< 1 \text{ mm}$ in size is accelerated by addition of Ca(OH)_2 , FeSO_4 and starch (in the absence of additions, after 32 hours 25.8% of the suspension are deposited, in the presence of additions -- 34-0%). Rate and completeness of deposition of carbonaceous admixtures are determined by their specific gravity, dimensions, temperature of SW, and surface area of the

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- 188 -

COUNTRY : Czechoslovakia
CATEGORY : H-29
ABS. JOUR. : RZKhim., No. 1959, No. 38495
AUTHOR : Brada, Z.
INST. :
TITLE : Adhesives for Automatic Packaging Machines

ORIG. PUB. : Obaly, 1959, 5, No 1, 19-20

ABSTRACT : For different kinds of packaging operations performed by modern automatic and semi-automatic machines the Czechoslovak industry manufactures a polyvinylacetate dispersion adhesive "Dispercoll" the initial adhesion of which to paper is almost 4 times stronger than that of a high grade dextrin adhesive. "Dispercoll" is used for bonding paper, cardboard, cellophane, wood, tin plate, and aluminum foil, for pasting paper labels to glass, and for other packaging operations. -- L. Sedov

CARD:

BRADA, Z.

Host-tumour relationship VII. Haemoglobin concentration in the mice in the course of the growth of the Krebs tumor². Neoplasma 9 no.1: 67-74 '62.

1. Oncological Research Institute, Department of Biochemistry, Brno, CSSR.

(NEOPLASMS experimental) (HEMOGLOBIN chemistry)

CA

7

Colorimetric determination of acetate ion. Zbyněk
Brada. *Chem. Listy* 37, 240-40 (1943).—FeCl₃ produces
a red coloration with AcO ions. Add 1 ml. of a 2% soln.
of FeCl₃ to the neutro. soln. contg. 0.2-20 mg. of acetate
in a standard test tube. Add water to the mark, and heat
to 35° for 13 min. Compare the color to standards
treated similarly. Me₂CO does not interfere. M. H.

BRADA, Z.; SVEJDA, J.

Spontaneous transplantable tumour in an albino rat. Acta radiol.
cancer. bohem. 5 no.1-2:8-10 Apr 1951. (CML 20-9)

1. Of the Masaryk Institute of Roentgen and Radiotherapy in Brno.

Cholesterol metabolism following the blocking of sympathetic nerves by tetraethylammonium bromide. Zbynek Brada (Masaryk Univ., Brno). *Biol. Listy* 31, 1982, 1-4. Daily administration of 0.3 mg. of tetraethylammonium bromide/100 g. rat body weight did not significantly influence the cholesterol metabolism in the adrenals, testicles, or thymus. Oldrich Setek

CA

1174

Mechanism of alloxan action. II. Glutathione in organs after alloxan. Zbyněk Brada (Masaryk Radium Inst., Brno, Czech.). *Arch. intern. pharmacodynamie* 85, 497-500 (1951); cf. C.A. 44, 177f.—Estms. of the reduced glutathione content of the tissues of the rat after alloxan injections showed much variation. That of the adrenals dropped from an av. normal value of 338 mg. % to 15 mg. % in 45 min. The content of the liver and pancreas decreased slightly but that of kidney, muscle, spleen, and brain was not affected. M. L. C. Bernheim

1951

BRADA, Z.
SVEJDA, J.; BRADA, Z.

Growth variations of the rat tumor BS 1. Cas.lek.cesk. 90 no.6:
171-173 9 Feb 51. (CML 20:6)

1. Of the State Masaryk Radiotherapeutic Institute in Brno and of
the Patho-Anatomical Institute of the Medical Faculty of Masaryk
University, Brno.

Practicability of Black's reaction for serum diagnosis of malignant tumors. Vladimír Kolář and Zbyněk Brada (Masarykův radiologický ústav, Brno, Československo) *Listy 7*, 38-8 (1953); cf. *C.A.* 42, 6925c, 7869b. — Unsatisfactory results and deficiencies of the method are discussed. The reduction time of methylene blue in this reaction was found to be subject to considerable oscillations not exclusively the result of the pathol. processes. L. J. U.